

```

1 msdsgsqlgs mgsltmksql qitvisaklk enknwfgps pyvevtvdgq skktekcant
61 nspkwkqplt vivtpvsklh frvwshqtlk sdvllgtaal diyetlksnn mkleevvvtl
121 qlggdkepte tigdlscld glqlesevt ngettcseas sqnddgsrsk detrvstngs
181 ddpedagage nrrvsgnsp slsnggfkps rpprpsrppp ptprrpasvn gspstnsdsd
241 gsstgslppt ntntntsega tsgliiplti sggsgprpln pvtqaplpqg weqrvdqhgr
301 vyyvdhvekr ttwdrepepl pgwerrvdm griyyvdhft rtttwqrptl esvrnyeqwq
361 lqrsqqlgam qqfnqrfiyg nqdlfatsqs kefdplgplp pgwekrtdsn grvyfvnhnt
421 ritqwedprs qqqlnekplp egwemrftvd gipyfvdhnr rtttyidprt gksaldngpq
481 iayvrdfkak vqyfrfwcqq lampqhikit vtrktlfeds fqqimsfspq dlrrrlwvif
541 pgeegldygg varewfflls hevlnpmycl feyagkdnyc lqinpasyin pdhlkyfrfi
601 grfiamalfh gkfidtghsl pfykrilnkp vglkdlesid pefynsliw kennieecd
661 emyfsvdkei lgeikshdlk pnggnilvte enkeeyirmv aewrlsrgve eqtqaffegf
721 neilpqpylq yfdakelevl lcgmqeidln dwqrhaiy rh yartskqimw fwqfvkeidn
781 ekrmrllqfv tgtcrpvgg fadlmgsngp qkfciekvgk enwlrprshc fnrldlppyk
841 syeqlkekll faieetegfg qe (SEQ ID NO:1)

```

FIG. 1A

```

1 mgsltmksql qitvisaklk enknwfgps pyvevtvdgq skktekcant nspkwkqplt
61 vivtptsklc frvwshqtlk sdvllgtagl diyetlksnn mkleevvmtl qlvgdkepte
121 tmgdlsvcld glqveaevvt ngetscsest tqnddgcrtr ddrvstngs edpevaasge
181 nkrangnsp slsnggfkps rpprpsrppp ptprrpasvn gspstnsdsd gsstgslppt
241 ntnvntstse gatsgliipl tisggsgprp lntvsqaplp pgweqrvdqh grvyvdhve
301 krttwdrpep lppgwerrvd nmgriyyvdh ftrttwqrp tlesvrnyeq wqlrsqqlgq
361 amqqfnqrfi ygnqdlfats qnkefdplgp lppgwekrtd sngryfvnh ntritqwedp
421 rsqqqlnekp lpegwemrft vdgipyfvdh nrrattyidp rtgksaldng pqiayvrdfk
481 akvqyfrfwc qqlampqhik itvtrktlfe dsfqqimsfs pqdlrrrlwv ifpgeegldy
541 ggwarewffl lshvlnpmy clfeyagkdn yclqinpasy inpdhlkyfr figrfiamal
601 fhgkfidtgh slpfykriln kpvgldles idpefynsli wvkennieec glemyfsvd
661 eilgeikshd lkpnggnilv teenkeeyir mvaewrlsrg veeqtqaffe gfneilpqpy
721 lqyfdakele vllcgmqeid lndwqrhaiy rhytrtskqi mfwfwqfvkei dnekrmlllq
781 fvtgtcrpvp ggfadlmgsn gpqkfciekv gkenwlrprsh tcfnrldlpp yksyeqlkek
841 llfaieeteg fgqe (SEQ ID NO:2)

```

FIG. 1B

```

1 matcavevfg lledeensri vrvrviagig lakkdilgas dpyvrvtlyd pmngvltsvq
61 tktikkslnp kwneeilfrv hpqqhrllfe vfdenrltrd dflgqvdpvl yplptenprl
121 erpytfkdfv lhprshksrv kgylrlkmtly lpktsgsedd naeqaeelep gwvvldqpda
181 achlqqqqep splppgweer qdilgrtyyv nhesrrtqwk rptpqdnlt d aengniqlqa
241 graffttrrq seetesvdnr essenweiir edeatmysnq afpsppssn ldvpthlaee
301 lnarltifgn savsqpasss nhssrrrgslq aytfeeqptl pvllptssgl ppgweekqde
361 rgrsyvvdhn srtttwtkpt vqatvetsql tssqssagp sqastdsdgq qvtqpseieq
421 gflpkgewevr hapngrpffi dhntktttwe dprlkipahl rgktsldtsn dlglppgwe
481 erthtdgrif yinhnikrtq wedprlenva itgpavpysr dykrkyeffr rklkkqndip
541 nkfemklrra tvledsyrrl mgvkradflk arlwiefdge kgldyggvar ewffliskem
601 fnpyyglfey satdnytlqi npnsglcned hlsyfkfigr vagmavyhgk lldgffirpf
661 ykmmllhkpit lhdmesvdse yynslrwile ndpteldlrf iideelfggt hqhelknggs
721 eivvtknknk eyiylviqwr fvnriqkqma afkegffeli pqdlikifde nelellmcgl
781 gdvdvndwre htkykngysa nhqviqfwk avlmmmdsekr irllqfvtgt srvpmmgfae
841 lygsngpqsf tveqwgtpk lprahtcfnr ldlppyesfe elwdklqmai entqgfdgvd

```

(SEQ ID NO:3)

FIG. 2A

```

1 msgiltsvqt ktikkslnpk wneeilfrvl pqrhrilfev fdenrltrdd flgqvdpvly
61 plptenprme rpytfkdfvl hprshksrvk gylrlkmtyl pkngsedena dqaeelepgw
121 vvldqpdaat hlphppepsp lppgweerqd vlgrtyyvnv esrrtqwkrr spdddltded
181 nddmqlqaqr afttrrqise dvdgpdnres penweivred enteysggav qsppsghidv
241 qthlaeefnt rlavcgnpat sqpvtssnhs srggslqtc feeqptlpvl lptssglppg
301 weekqddrgr syyvdhnskt ttwskptmqd dprskipahl rgktdsndlg plppgweert
361 htdgrvffin hnikktqwed prlqnvaigt pavpysrdyk rkyeffrrkl kkqtdipnkf
421 emklrranil edsyrrimgv kradllkarl wiefdgekgl dyggvarewf fliskemfnp
481 yyglfeysat dnytlqinpn sglcnehdls yfkfigrvag mavyhgklld gffirpfykm
541 mlqklitlhd mesvdseyys slrwilendp teldlrfiid eelfgqthqh elktggseiv
601 vtnknkkeyi ylviqwrfrv riqkqmaafk egfflipqd likifdenel ellmcglgdv
661 dvndwrehtk ykngysmnhq vihwfwkavw mmdsekrirl lqfvtgtsrv pmngfaelyg
721 sngpqsf tve qwgtpdklpr ahtcfnrldl ppyesfdelw dklqmaient qgfdgvd

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(SEQ ID NO:4)

FIG. 2B

```

1 magnvkkssg aggggtsgsgs gsggliglmk dafqphhhhh hhlsphppgt vdkkmvekcw
61 klmdkvvrlic qnpklalkns ppyildllpd tyqhlrtls ryegkmetlg eneyfrvfme
121 nlmkktkqti slfkegkerm yeensqrrn ltklslifsh mlaelkgifp sglfggdtfr
181 itkadaaefw rkafgektiv pwksfrqalh evhpissgle amalkstidl tcndyisvfe
241 fdiftrlfqp wssllrnwns lavthpgyma fltydevkar lqkfihkpgs yifrlsctrl
301 gqwaigyvta dgnilqtiph nkplfqalid gfregfylfp dgrnqnpdlt glceptpqdh
361 ikvtgeqyel ycemgstfql ckicaendkd vkiepcghlm ctscltswqe segggcpfcr
421 ceikgtepiv vdpfdprgsg sllrqgaega pspnyddddd eraddtlfmm kelagakver
481 ppspfsmapi aslppvpprl dllpqrvcvp ssasalgtas kaasgslhkd kplpvpptlr
541 dlppppppdr pysvgaesrp qrrplpctpg dcpsrdklpp vpssrlgds w lrpipkvvp
601 sapsssdpw greltnrhl pfsllpsqme rpdvprlgst fsldtsmsmn ssplvgpecd
661 hpkipsssa naiyslaarp lpvpklppge qcegeedtey mtpssrplrp ldtsqssrac
721 dcdqgidsc yeamyniqsq apsitiesstf gegnlaaaaha ntgpeesene ddgydvkppp
781 vpavlarrtl sdisnasssf gwlsldgdpt tnvtegsqvp erppkpfpr inderkagsc
841 qggsgpaasa atasqlsse ienlmsggys yqdiqkalvi aqnniemakn ilrefvsiss
901 pahvat (SEQ ID NO:5)

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FIG. 3A

```

1 magnvkkssg aggggsgsgs aggliglmkd afqphhhhhh lsphppctvd kkmvekcwkl
61 mdkvvrlcqn pnvalknspp yildllpdy qhlrtvlsry egkmetlgen eyfrvfmenl
121 mkktkqtisl fkegkermeye ensqrrnlt klslifshml aelkgifpsg lfqgdtfrit
181 kadaaefwrk afgektivpw ksfrqalhev hpissgleam alkstidltc ndyisvfevd
241 iftrlfqpws sllrnwnsla vthpgymafl tydevkarlq kfihkpgsyi frlctrlgq
301 waigyvtadg nilqtiphnk plfqalidgf regfylfpdg rnqnpdltgl ceptpqdhik
361 vtqicaendk dvkiepcghl mtscltswq esegggcpfc rceikgtepi vdpfdprgs
421 gsllrqgaeg apspnyddddd deraddslfm mkelagakve rpsspfsmapi qaslppvppr
481 ldlqgrapv pastsvlgta skaasgslhk dkplpipptl rdlppppppd rpysvgaetr
541 pqrplpctp gdcpsrdklp pvpssrpgds wlsrtipkvp vatpnpdpdw ngreltnrhl
601 lpfslpsqme pradvprlgs tfsldtsmtm nsspvgapes ehpkikpsss anaiyslaar
661 plpmpklppg eggeseedte ymtptsrpvg vqkpepkrl eatqssracd cdqgidscy
721 eamytisqa lsvaensasg egnlatahts tgpeesened dgydvkppv pavlarrtl
781 disnasssf wlsldgdptn fnegsqvper ppkpfpr inderkagsc
841 tapspqlsse ierlmsggys yqdiqkalvi ahnniemakn ilrefvsiss pahvat

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(SEQ ID NO:6)

FIG. 3B

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1 mansmngnrnp ggrggnprkg rilgiidaiq davgppkqaa adrtrvektw klmdkvvrle
61 qnpklqlkns ppyildilpd tyqhlrlils kyddnqklaq lsenevfkiy idslmkkskr
121 airlfkegke rmyeeqsqdr rnltklslif shmlaeikai fpngqfqqdn fritkadaae
181 fwrkffgdk ivpwkvfrqc lhevhiqiss leamalksti dltcndyisv fefdiftrlf
241 qpwgasilrnw nflavthpgy maflydevk arlqkystkp gsyifrlsct rlgqwaigyv
301 tgdgnilqti phnkplfqal idgsregfyl ypdgrsynpd ltglceptph dhikvtgeqy
361 elycemgstf qlckicaend kdvkiepcgh lmctscldaw gesdgggcpf crceikgtep
421 iivdpfdprd egsrcsiid pfgmpmldld ddddreessm mnrlanvrkc tdrqnsptvs
481 pgssplaqrk kpqdpqlqip hlslppvppr ldliqkgivr spcgsptgsp ksspcmvrkq
541 dkplpapppp lrdppppppe rpppippdnr lsrihhves vpsrdppmpl eawcprdvfg
601 tnqlvgcrl gegspkpgit assnvgrhs rvgsdpvlmr khrrhdlple gakvfnghl
661 gseeydvppr lspvvvtll lpsikctgpl anlsektrd pveeddeyk ipsshpvsln
721 sqpshchnvk ppvrscdng cmlngthgps sekksnipdl siylkgdvfd sasdpvplpp
781 arpptrdnkp hgsslnrtps dydllipplg edafdalpps lpppppparh sliehspppg
841 sssrpssgqd lfillpsdpfv dlasgqvplp parrlpgenv ktnrtsqdyd qlpscdsgsq
901 aparppkprp rrtapeihhr kphgpeaale nvdakiaklm gegyafeevk raleiaqnnv
961 evarsilref afpppvspri nl (SEQ ID NO:7)

```

FIG. 4A

```

1 mctscldaw gesdgggcpfc rceikgtepi ivdpfdprde gsrccsiidp fsipmldldd
61 dddreessmm nrlasvrkct drqnsptvsp gssplaqrk kpqdpqlqiph hlslppvppr
121 dliqkgivrs pcgsptgspk sspcmvrkqd kplpapppppl rdppppperp ppippdnrls
181 rhfhhgesvp srdqpmplea wprdafgt nqvmgcrilgd gspkpgvtan sslngrhsrm
241 gseqvlmrkh rrhdlpsega kvfnghlat eeydvpprls ppppvttllp sikctgplan
301 clsektrdtv eddddeykipp sshpvslnsq pshchnvkap vrscdnghci lngthgapse
361 mkksnipdlg iylkgedafd alppslpppp pparhslied skppgsssrp ssgqdlfillp
421 sdppfdptsg qvplpparra agdsgkanra sqdydqlpss sdgsqapar pkrprrtap
481 eihrkphgp eaalenvdak iaklmgegya feevkralei aqnnevars ilrefafppp
541 vsprlnl (SEQ ID NO:8)

```

FIG. 4B

1 malavapwgr qweearalgr avrmlqrlee qcvdprlsvs ppslrdllpr taqllrevah
61 srreaaggggpp gpgggsgdfl liylanleak srqvaallpp rgrrsandel fragsrlrrq
121 laklaiifsh mhaelhalfp ggkycghmyq ltkapahtfw rescgarcvl pwaefesllg
181 tchpvepgct alalrttidl tcsghvsife fdvfttrlfqp wptllknwql lavthpgyma
241 fltydevqer lqacrdkpgs yifrpctrl ggwaigyvss dgsilqtipa nkplsqvllle
301 gqkdgyfilyp dgkthnpdlt elgqaepqqr ihvseeqlql ywamdstfel ckicaesnk
361 vkiepcghll cscclaawqh sdsqtcpcfc ceikgweavs iyqfyggata edsgnssdqe
421 grelelggvp lsapplpprp dlpprkprna qpkvrllkgn sppaalgpqd papa

(SEQ ID NO:9)

FIG. 5A

1 maaaaaprgw qrgepralsr avkllqrlee qcrdprmvgtg ppslrdllpr taqllgevak
61 arrearedpe gpggaddfla iylanlevkg rqvaelppr gkkdvnqdvf regsrfrrql
121 aklalifshm haelsalfpa gkycghlyql tkgsahifwr qncgvrcvlp waefqsllca
181 chpvepgptm qalrstldlt cnghvsvfef dvftrrlfqp wptllrnwql avnhpgymaf
241 ltydevqtrl qayrdkpgsy ifrpctrlg qwaigyvssd gsilqtipln kp11qvllkg
301 qkdgiflfpd gkknhdpte lcrvepyqri qvseeql1ly qamnstfqlc kicaerdkdv
361 riepcghllc scclsawqds dsqtcpcfcrc eikgreavsi cqaqerptev rtaadgsrdn
421 chqeaeeqkl gpvipsapsl lpedqfpqgp qdkgwltlap lalprlrppl plpkmasvlw
481 evtsrprare eatess (SEQ ID NO:10)

FIG. 5B

1 mgpppgagvs crggcgfsrl lawcfillals pqapgsrgae avwtaylnvs wrvphtgvnr
61 tvwelseegv ygqdsplepv agvlvppdgp galnacnpht nftvptvwgs tvqvswlali
121 qrgggctfad kihlayerga sgavifnfpq trnevipmsh pgavdivaim ignlkgtkil
181 qsiqrgiqvt mvievgkkhg pwvnhysiff vsvsffiita atvgyfifys arrlrnaraq
241 srkqrqlkad akkaigrlql rtlkqgdkei gpdgdscavc ielykpndlv riltcnhifh
301 ktcvdpwlle hrtcpmckcd ilkalgievd vedgsvslqv pvsneisnsa ssheednrse
361 tassgyasvq gtdeppleeh vqstneslql vnheansvav dviphvdnpt feedetpnqe
421 tavreiks (SEQ ID NO:11)

FIG. 6A

1 mgpppgigvy crggcgaarl lawcfillals phapgsrgae avwtaylnvs wrvphtgvnr
61 tvwelseegv ygqdsplepv sgvlvppdgp galnacnpht nftvptvwgs tvqvswlali
121 qrggsctfad nihlaserga sgavifnfpq trnevipmsh pgagdivaim ignlkgtkil
181 qsiqrgiqvt mvievgkkhg pwvnhysiff vsvsffiita atvgyfifys arrlrnaraq
241 srkqrqlkad akkaigklql rtlkqgdkei gpdgdscavc ielykpndlv riltcnhifh
301 ktcvdpwlle hrtcpmckcd ilkalgievd vedgsvslqv pvsneasnta spheedsrse
361 tassgyasvq gadeppleeh aqsanenlql vnheansvav dvvphvdnpt feedetpdqe
421 aavreiks (SEQ ID NO:12)

FIG. 6B

5 1 magaaspcan gcgpgapsda evlhlcrsle vgtvmtlfys kksqrperkt fqvkletqrqi
 61 twsrgadkie gaidireike irpgktsrdf dryqedpafr pdqshcfvil ygmefrlktl
 121 slqatsedev nmwikgltwl medtlqaptp lqierwlrkq fysvdrnred risakdlknm
 181 lsqvnryrvpn mrflrerltd leqrsdgity gqfaqlyrsl mysaqktmdl pflakestlra
 241 gerpelcrvs lpefqqlld yqgelwavdr lqvqefmlsf lrdplreiee pyffldefvt
 301 flfskensvw nsqldavcpd tmnplshyw isshtntylt gdqfssessl eayarclrmg
 361 crcieldc wd gpdgmpviyh ghtlttkikf sdvlhtikeh afvaseypvi lsiedhcsia
 421 qqrnmaqyfk kvlgdtlltk pveisadglp spnqlkrkil ikhkklaegs ayeevptsmm
 481 ysendisnsi kngilyledp vnhevyphyf vltsskiyys eetssdqgne deeeepkevss
 541 stelhsnek w fhgklgagr d grhiaerllt eycietgapd gsflvreset fvgdytlfsw
 601 rngkvqhcri hsrqdagtpk ffltdnlvfd slydlithyq qvplrcnefe mrlsepvpqt
 661 naheskewyh asltraqaeh mlmrprdg a flvrkrnepn syaisfraeg kikhcrvqge
 721 ggtvmlgnse fdsldvlisy yekhpkyrk m klrypineea lekigtaepd ygalyegrnp
 781 gfyveanpmp tfkcavkalf dykaqredel tfiksaiiqn vekqeggwrr gdyggkqlw
 841 fpsnyveemv npvalepere hldensplgd llrgvldvpa cqiairpegk nnrlfvfsis
 901 masvahwsld vaadsqeelq dwvkkireva qtadarlteg kimerrkia lelselvvy
 961 rpvpfdeeki gteracyrdm ssfpetkaek yvnkakgkkl lqynrlqlsr iypkgqrls
 1021 snydplpmwi cgsqqlvalnf qtpdkpmqmn qalfmtgrhc gyvlqpstmr
 deafdpfdks
 1081 slrglepcai sievlgarhl pkngrgivcp fveievagae ydstkqktef
 vvdnglnpvw
 1141 pakpfhfqis npefaflrfv vyeedmfdsq nflaqatfpv kglktgyrav
 plknysedl
 1201 elasllikid ifpakqengd lspfsqtslr ergsdasgql fhgraregsf
 esryqqpfed
 1261 frisquehlad hfdsrerrap rrtrvngdnr 1 (SEQ ID NO:13)

FIG. 7A

1 mefrlktlsl qatsedevnm wikgltwlme dtlqaatplq ierwlrkqfy svdrnredri
 61 sakdlknmls qvnyrvpnmr flrerltdle qrsgditygq faqlyrslmy saqktmdlpf
 121 letnalrtge rpehcqvsls efqqlileyq gelwvdrldq vqefmlsflr dplreieepy
 181 fflldelvtfl fskensvwns qldavcpdtm nnplshywis sshntyltgd qfssesslea
 241 yarclrmgcr cioldcw dgp dgmpviyghg tlttkikfsd vlhtikehaf vaseypvils
 301 iedhcsiaqg rnmaghfrkv lgtlltkpv diaadglpsp nqlrrkilik hkklaegsay
 361 eevptsvmys endisnsikn gilyledpvn hewyphyfvl tsskiyysee tssdqgnede
 421 eepkeassst elhssekwhf gklgagr dgr hiaerlltey cietgapdgs flvresetfv
 481 gdytlfswrn gkvqhcrihs rqdagtpkff ltdnlvfdsl ydlithyqqv plrcnefemr
 541 lsepvpqtna heskewyhas ltraqaehml mrprdgaf l vrkrnepnsy aisfraegki
 601 khcrvqgegq tvmlgnsefd slvdlisyye khplyrkml rypineeale kigtaepdyg
 661 alyegrnpgf yveanpmp tf kcavkalfdy kaqredeltf tksaiiqnve kqdggwwrgd
 721 yggkqlwfp snyveeminp avleperehl densplgdll rgvldvpacq iaairpegknn
 781 rlfvfsismp svaqwsldva adsqeelqdw vkkirevaqt adarltegkm merrkkiale
 841 lselvvyvcrp vpfdeekigt eracyrdmss fpetkaekyv nkakgkklq ynrlqlsriy
 901 pkgqrlsdssn ydplpmwicg sqlvalnfqt pdkpmqmnqa lfmagghcgy vlqpstmrde
 961 afdpfdkssl rglepcvici evlgarhlpk ngrgivcpfv eievagaeyd stkqktefv
 1021 dnglnpvwpa kpfhfqisnp efaflrfvvy eedmfdsqnf laqatfpvk
 lktgyravpl
 1081 knysedlel asllikidif pakengdlsp fsgislrera sdassqlfhv
 raregsfear
 1141 yqqpfedfri sqehlhdhfd srerraprtr rvngdnrl (SEQ ID NO:14)

FIG. 7B

```

1 mspflrigls nfdcgscqsc qgeavnpypca vlvkeyvese ngqmyiqkkp tmyppwdstf
61 dahinkgrvm qiivkgknvd lisettvely slaercrknn gkteiwlelk pggrrlmnar
121 yflemsdtkd mnefetegff alhqrrgaik qakvhhvkch eftatffpqp tfcsvchefv
181 wglnkqgyqc rqcnaaihkk cidkviakct gsainsretm fhkerfkidm phrfkvnyk
241 sptfcehcgt llwglarqgl kcdacgmnh hrcqtkvanl cgingklmae alamiestqq
301 arclrdteqi fregpveigl pcsiknearp pclptpgkre pggiswespl devdkmchlp
361 epelinkerps lqiklkiedf ilhkmlgkgs fgkvflaefk ktnqffaika lkkdvvlmdd
421 dvectmvekr vlslawehpf lthmfctfqt kenlffvmey lnggdmyhi qschkfdlsr
481 atfyaaeiil glqflhskgi vyrdlkldni lldkdghiki adfgmckenm lgdaktntfc
541 gtpdyiapei llgqkynhsv dwwsfgvllly emligqspfh qqdeeeelfhs irmdnpyfpr
601 wlekeakdll vklfvrepk rlgvrgdirq hplfreinwe elerkeidpp frpkvkspfd
661 csnfdfkefln ekprlsfadr alinsmdqnm frnfsfmnpq merlis (SEQ ID
NO:15)

```

FIG. 8A

```

1 mspflrigls nfdcgscqac qgeavnpypca vlvkeyvese ngqmyiqkkp tmyppwdstf
61 dahinkgrvm qiivkgknvd lisettvely slaercrknn grteiwlelk pggrrlmnar
121 yflemsdtkd mnefenegff alhqrrgaik qakvhhvkch eftatffpqp tfcsvchefv
181 wglnkqgyqc rqcnaaihkk cidkviakct gsainsretm fhkerfkidm phrfkvnyk
241 sptfcehcgt llwglarqgl kcdacgmnh hrcqtkvanl cgingklmae alamiestqq
301 arslrdsehi fregpveigl pcstknetrp pcvptpgkre pggiswdspl dgsnksagpp
361 epevsrrts lqklkiddf ilhkmlgkgs fgkvflaefk rtnqffaika lkkdvvlmdd
421 dvectmvekr vlslawehpf lthmfctfqt kenlffvmey lnggdmyhi qschkfdlsr
481 atfyaaevil glqflhskgi vyrdlkldni lldrdghiki adfgmckenm lgdaktntfc
541 gtpdyiapei llgqkynhsv dwwsfgvlvy emligqspfh qqdeeeelfhs irmdnpyfpr
601 wlereakdll vklfvrepk rlgvrgdirq hplfreinwe elerkeidpp frpkvkspyd
661 csnfdfkefls ekprlsfadr alinsmdqnm fsnfsfinpg metlics (SEQ ID
NO:16)

```

FIG. 8B


```

1 mmaaeagsee ggpvtagagg ggaaagssay pavcrvkipa alpvaapyp glvetgvagt
61 lgggaalgse flgagsvaga lggagltggg taagvagaaa gvagaavagp sgdmaltklp
121 tsllaetlgp gggfpplppp pylpplgagl gtvdegdsld gpeyeeeva ipltapptnq
181 wyhgkldrti aeerlrqagk sgsyliresd rpgsfvlsf lsqmnvnhf riiamcgdy
241 iggrrfssls dligyysvhs cllkgeklly pvappepved rrrvrailpy tkvptdeis
301 flkgdmfivh neledgwmwv tnlrtdeggl ivedlveevg reedphegki wfhgkiskqe
361 aynllmtvgg vcsflvrpsd ntpgdyslyf rtneniqrfrk icptpnqfm mggryynsig
421 diidhyrkeq ivegyylkep vpmqdgqvl ndtvdgkeiy ntirrktda fyknivkkgy
481 llkkgkgkrw knlyfilegs daqliyfese kratkpkgli dlsvcsvyv hdsifgrpnc
541 fqivvqhse ehyifyfage tpeqaedwmk glqafcnlrk sspgtsnkr rqvsslvli
601 eeahklpvkh ftnpycniyl nsvqvaktha regqnpvwse efvddlpdp inrfeitlsn
661 ktkkskdpdi lfmrcqlsrl qkghatdewf llsshiplkg iepgslrvra rysmekimpe
721 eeysefkeli lqkelhvvy lshvcgqdr llsallrif lhekleslll ctln dreism
781 edeattlfra ttlastlmeq ymkatatqfv hhalkdsilk imeskqscel spsklekned
841 vntnlthlln ilselvekif maseilpntl ryyigclqks vqhkwtntt mrtrvsgfv
901 flrlcpail nprmfniisd spspiaartl ilvaksvqnl anlvefgake pymegvnpfi
961 ksnkhmimf ldelgnvpel pdttehsrtd lsrdaalhe icvahsdelr tlnsergaqq
1021 hvlkllait ellqqkqnqy tkndvr (SEQ ID NO:17)

```

FIG. 9A

```

1 mcgdyiggr rfsslsdlig yyshvscilk gekllypvap pepvedrrrv railpytkvp
61 dtdeisflkg dmfvhnele dgwmwvtnlr tdegglived lveevgreed phekivfhg
121 kiskqaynl lmtvgqvcsf lvrpsdntpg dyslyfrtne niqrfrkipt pnnqfmmggr
181 yynsigdiid hyrkegiveg yylkepvpmq dggqvlnDTV dgkeiyntir rktkdafykn
241 ivkgyllkk gkgkrwnly filegsdaql iyfesekrat kpkglidlsv csyvvhdsl
301 fgrpncfqiv vqhseehyi fyfagetpeq aedwmkgqla fcslrksspg tsnkrlrqvs
361 slvlhieeah klpvkhftnp ycnlylnsvq vaktharegq npvwseefvf ddpdpinrf
421 eitlsnktkk skdpdilmr cqlsrlqkgh atdewfillss hiplkgiepg slrvrarsm
481 ekimpeeeys efkelilqke lhvvyalshv cgqdrtilas illkiflhek leslllctln
541 dreismedea ttlfrattla stlmeqymka tatqfvhhal kdsilkimes kqscelspsk
601 leknedvntn lahllsilse lvekifmase ilpntlryiy gclqksvqhk wptntnmtrr
661 vvsfvflrl icpailnprm fniisdspsp iaartltlva ksvqnlanlv efgakepyme
721 gvnpfiksnk hrmimfldel gnvpepdt ehsrtdlsrd laalheicva hsdelrtlsn
781 ergvqghvkl kllaitellq qkqnqytkn dir (SEQ ID NO:18)

```

FIG. 9B

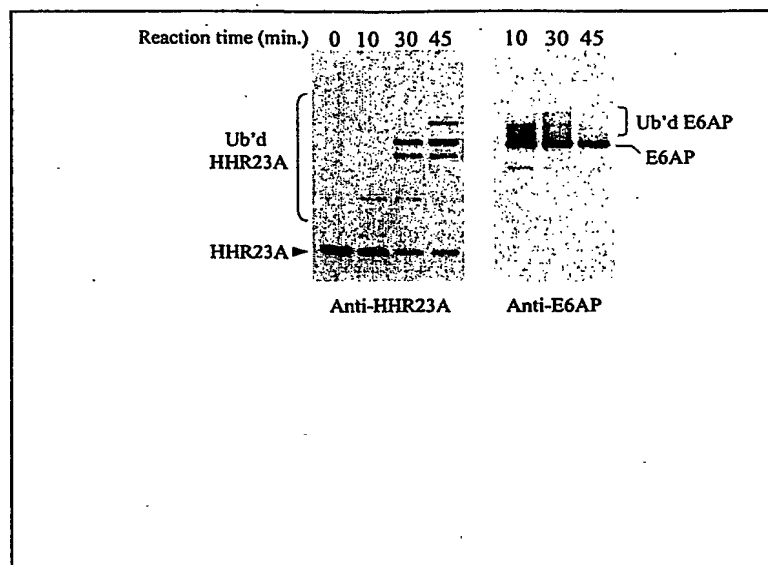


FIG. 10

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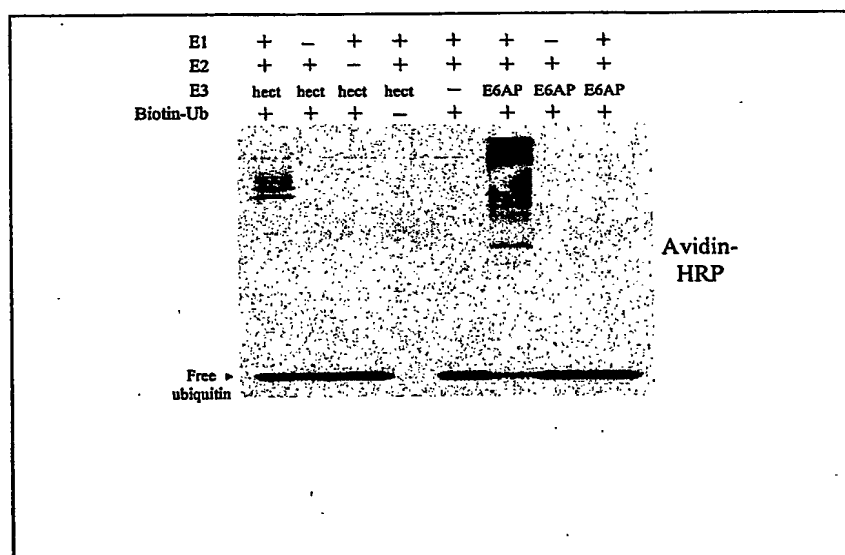


FIG. 11

BEST AVAILABLE COPY

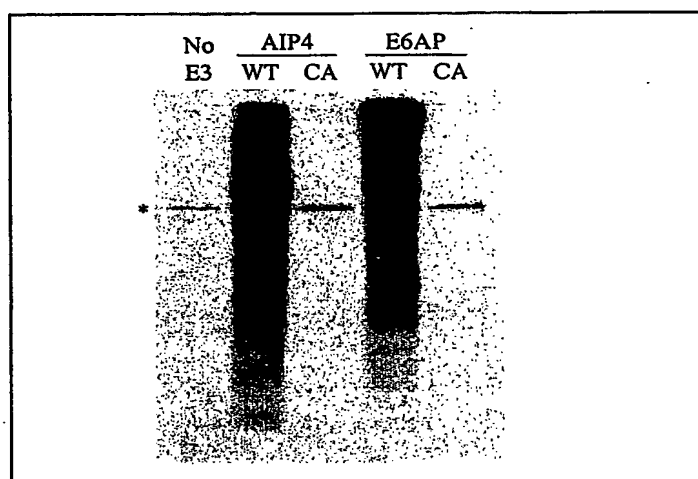


FIG. 12

BEST AVAILABLE COPY

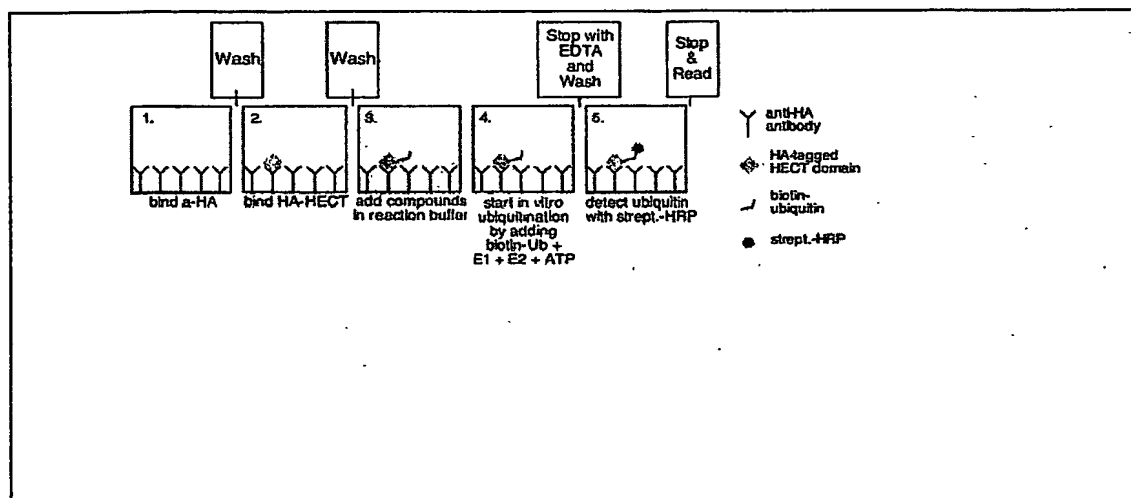


Fig. 13

Fig. 14A

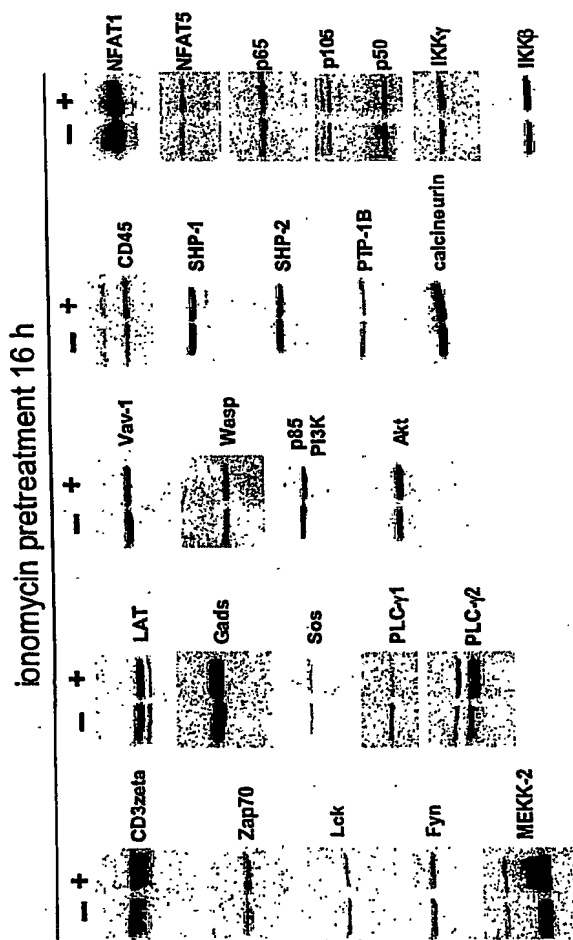


Fig. 15A

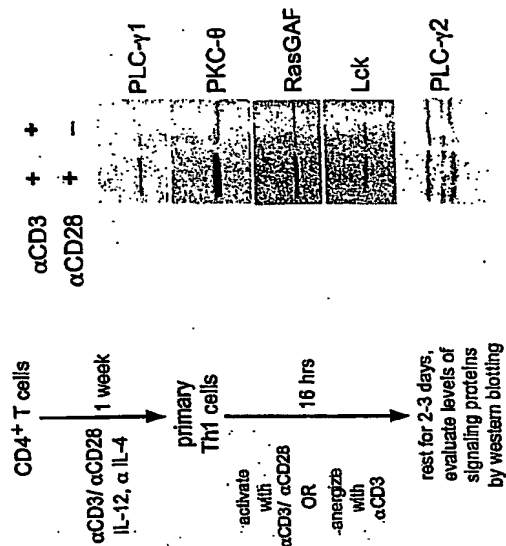


Fig. 14B

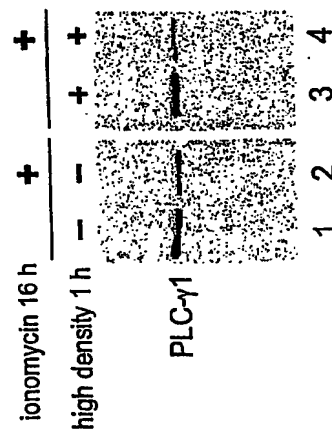


Fig. 14C

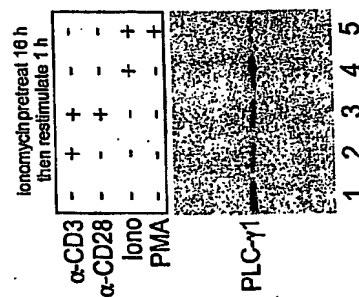


Fig. 14D

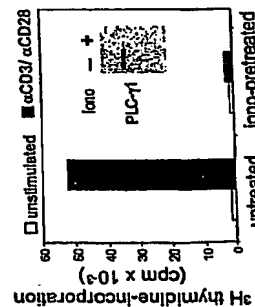
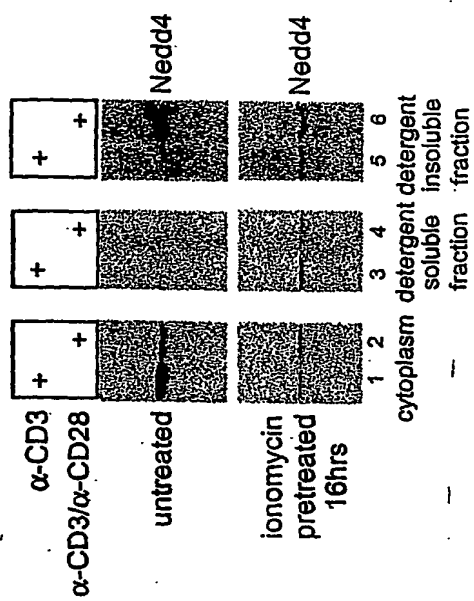


Fig. 15B



BEST AVAILABLE COPY

Fig. 21

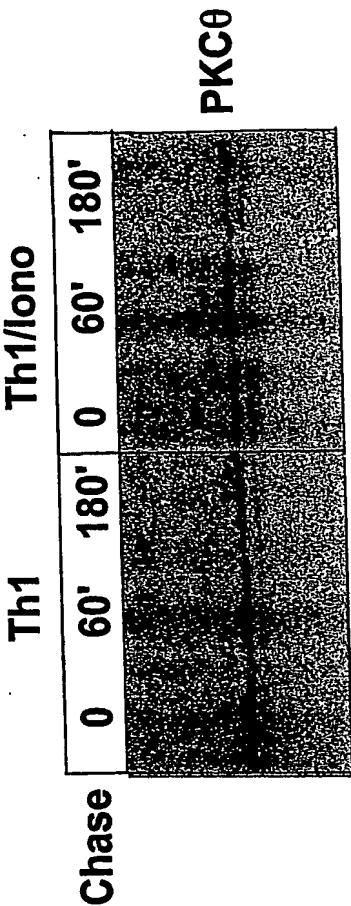


Fig. 14E

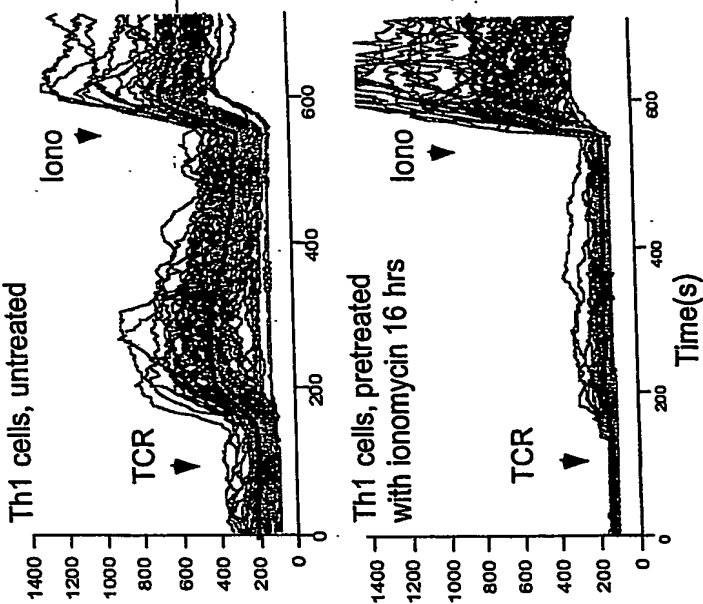


Fig. 16A

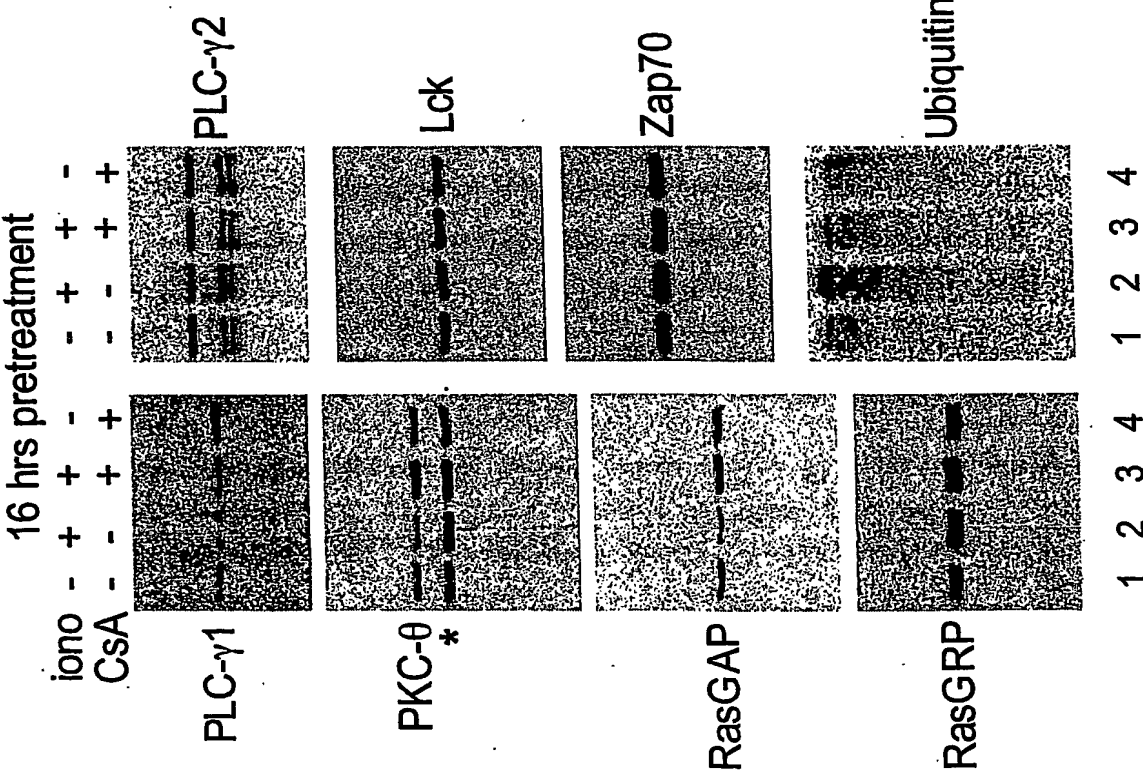


Fig. 16D

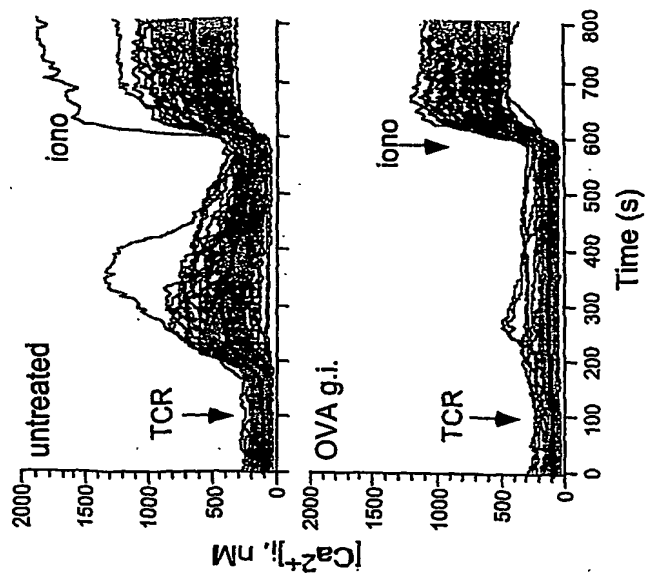


Fig. 16B

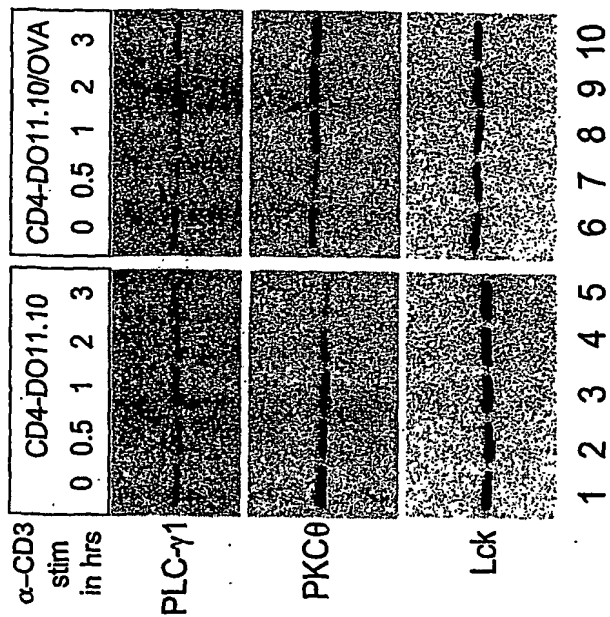
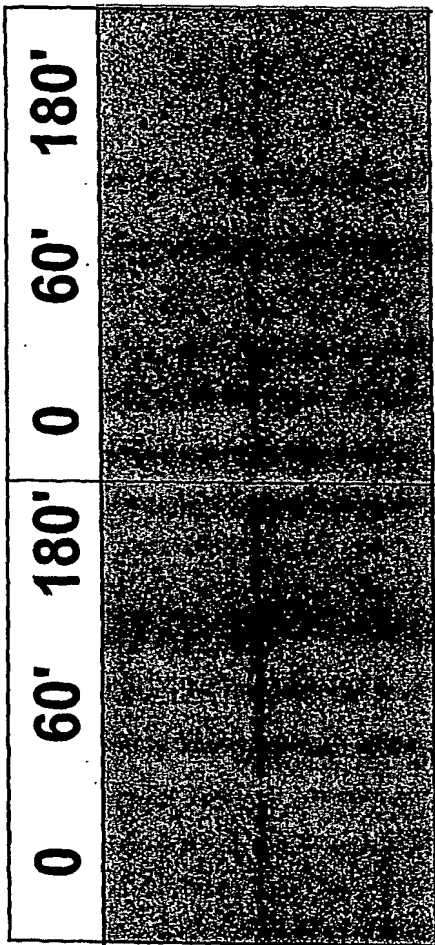


Fig. 16C

DO11.10 DO11.10/OVA

Chase



PKCθ

Fig. 17A

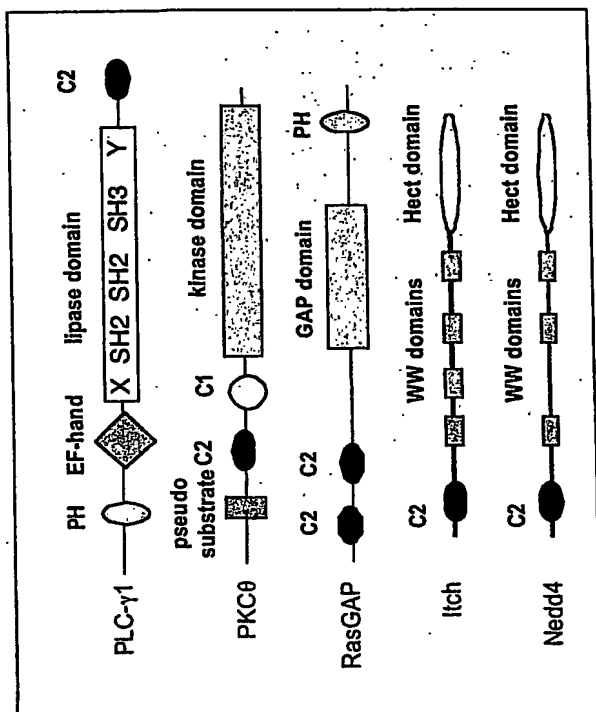


Fig. 15D

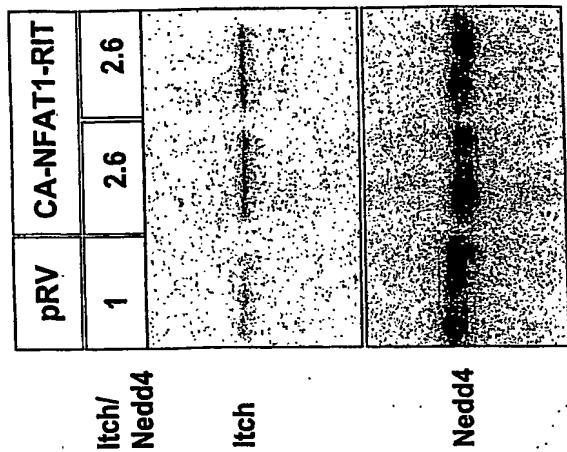


Fig. 15C

αCD3, μg 0.25 1 0.25 -
αCD28, μg 2 - - -

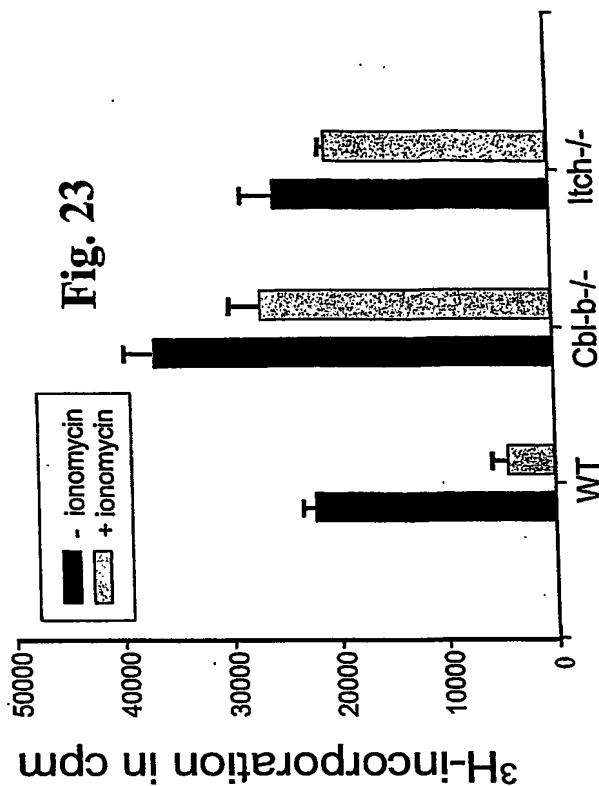
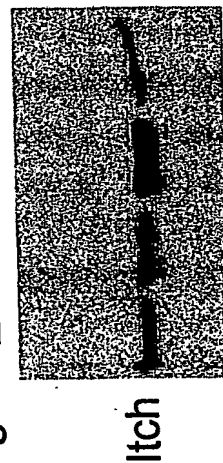


Fig. 23

Fig. 17C

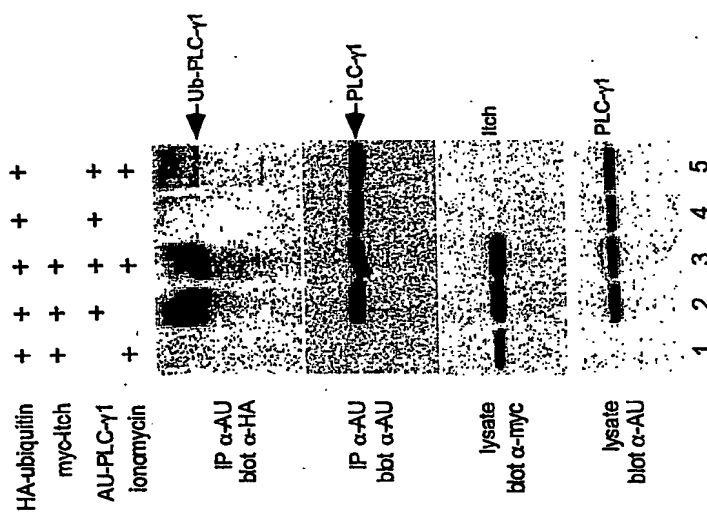


Fig. 17F

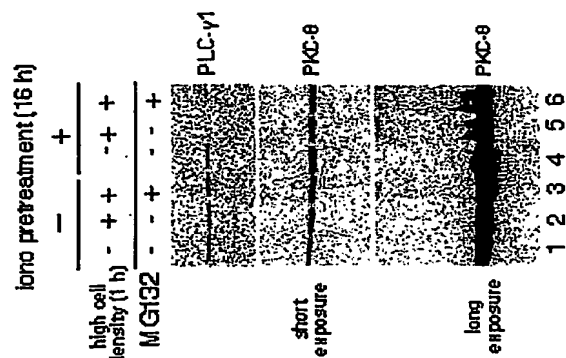


Fig. 17E

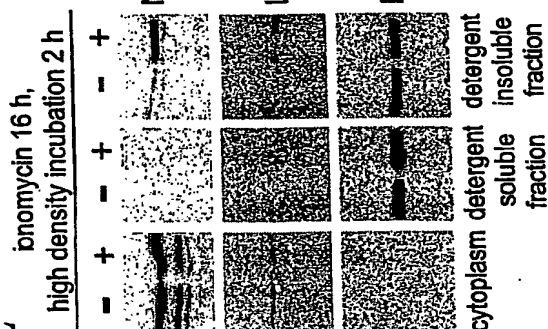


Fig. 17G

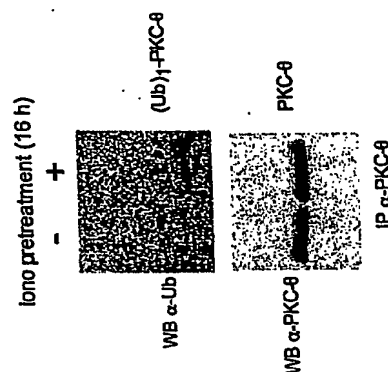


Fig. 17D

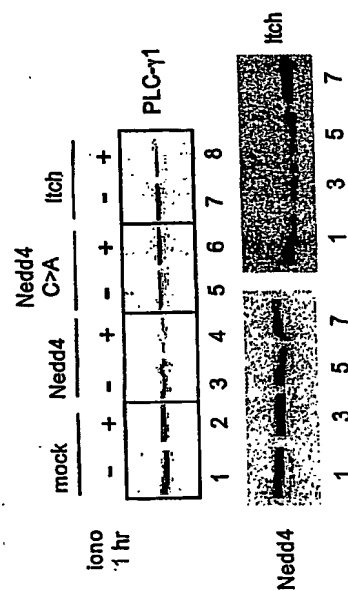


Fig. 18A

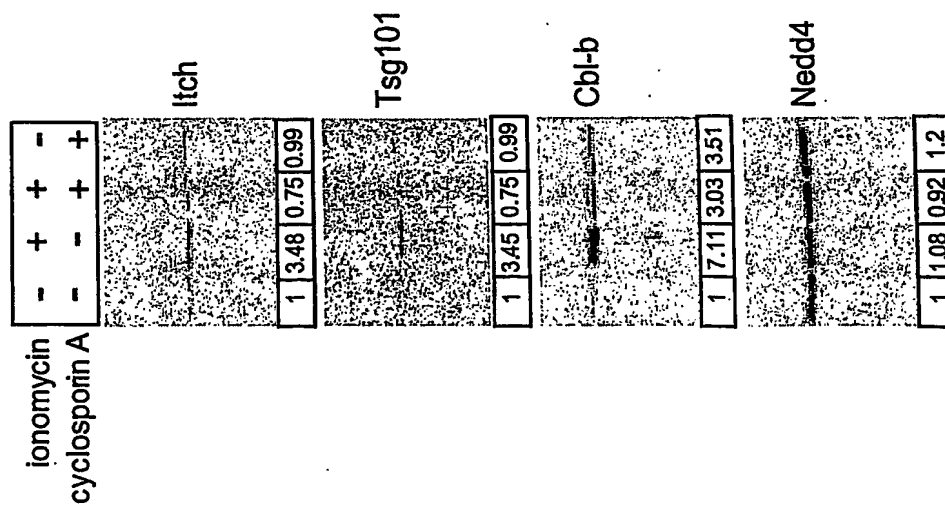


Fig. 18B

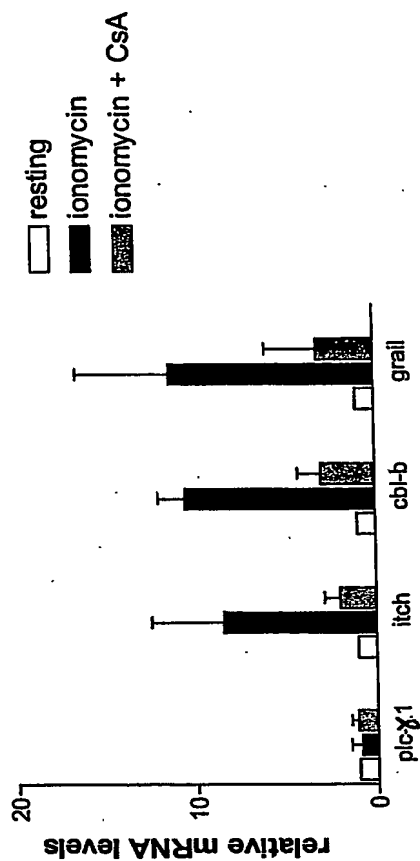


Fig. 19A

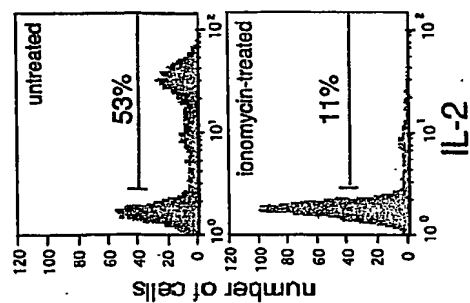


Fig. 19B

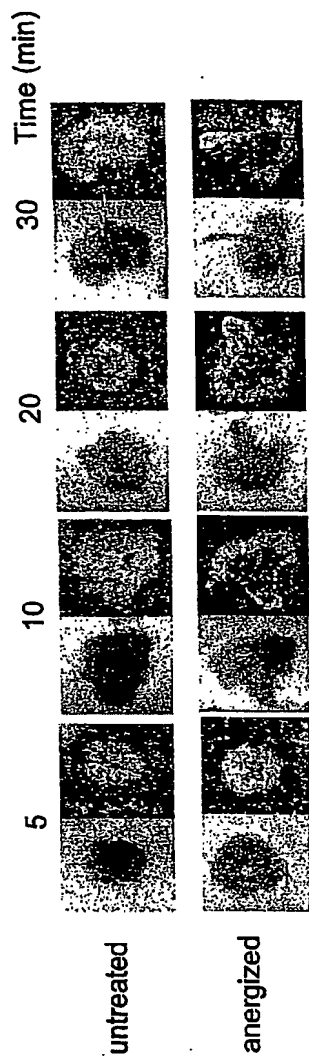


Fig. 19C

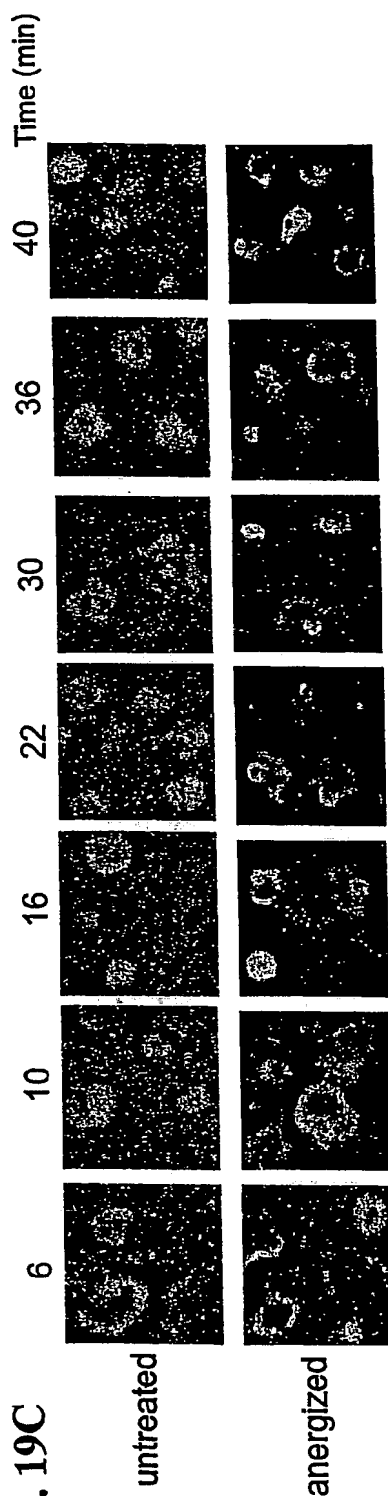
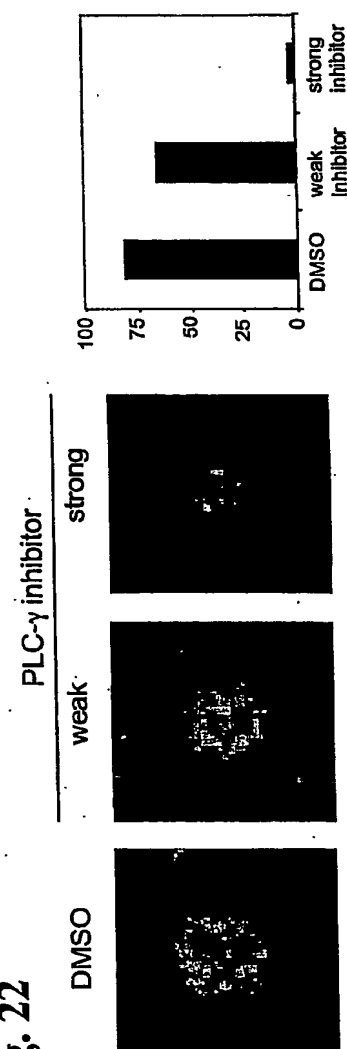


Fig. 22



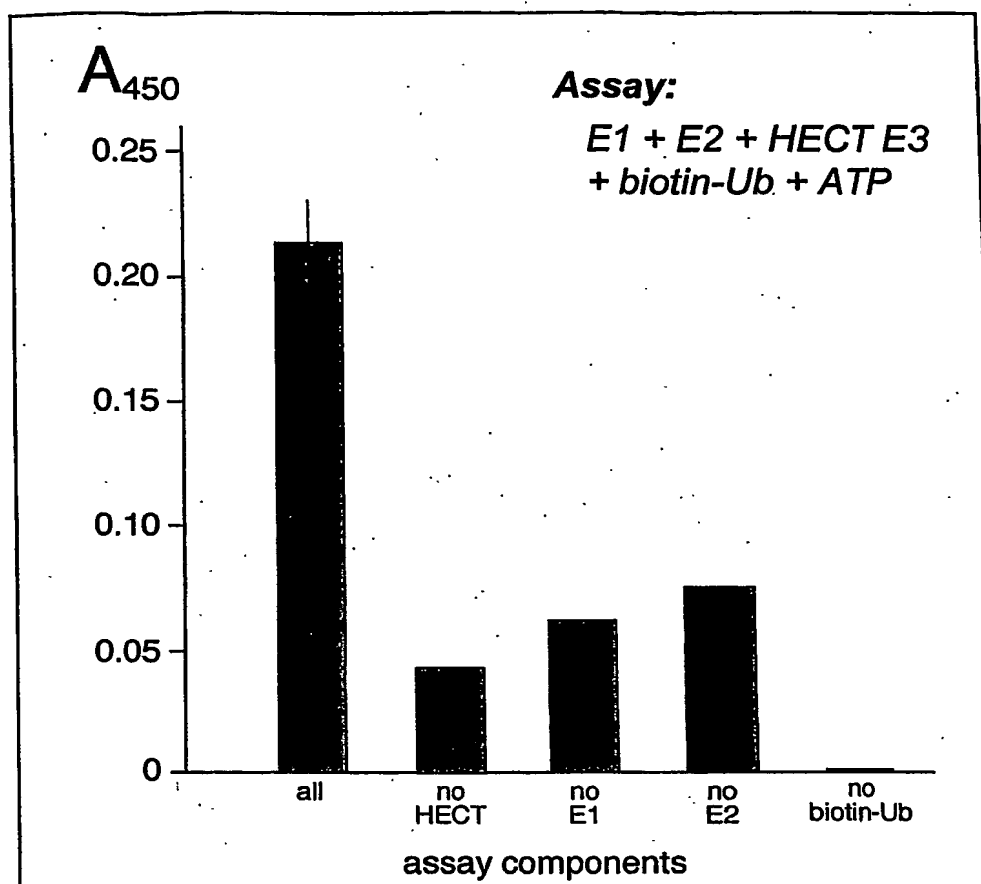
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61 vpyrgntyni piclwll dty pynppicfvk ptssmtiktg khvdangkiy lpylhewkhp
121 qsdllgliqv mivvfgdepp vfsrpsiasy ppygatgppn tsympgmpgg ispypsgypp
181 npsgyppgcp pyppgypatt ssqypsqqpv ttvgpsrdgt isedtirasl isavsdklrw
241 rmkeemdra q aelnalkrte edlkkghqkl eemvtrldqe vaevdkniel lkkkdeels
301 alekmenqse nndideviip taplykqiln lyaeenaied tifylgealr rgvidldvfl
361 khvrllsrkq qqlralmqka rktaglsdly (SEQ ID NO:19)

Fig. 20A

1 mavesesqlkk mmskykyrdl tvrqtnvia mykdlkpvl d syvfndgssr elvnlgtip
61 vryrgniyni piclwll dty pynppicfvk ptssmtiktg khvdangkiy lpylhdkwkh
121 rselleliqi mivifgeep vfsrptvsas yppytatgpp ntsympgmpps gisaypsgyp
181 pnpsgypgcp yppagypat tssqypsqqp vttvgpsrdg tisedtiras lisavsdklr
241 wrmkeemdga qaelnalkrt eedlkkghqk leemvtrldq evaevdknie llkkkdeels
301 salekmenqs enndidevii ptaplykqil nlyaeenaie dtifylgeal rrgvidldvf
361 lkhvrllsrk qqlralmqk arktagsdl y (SEQ ID NO:20)

Fig. 20B

Fig. 24



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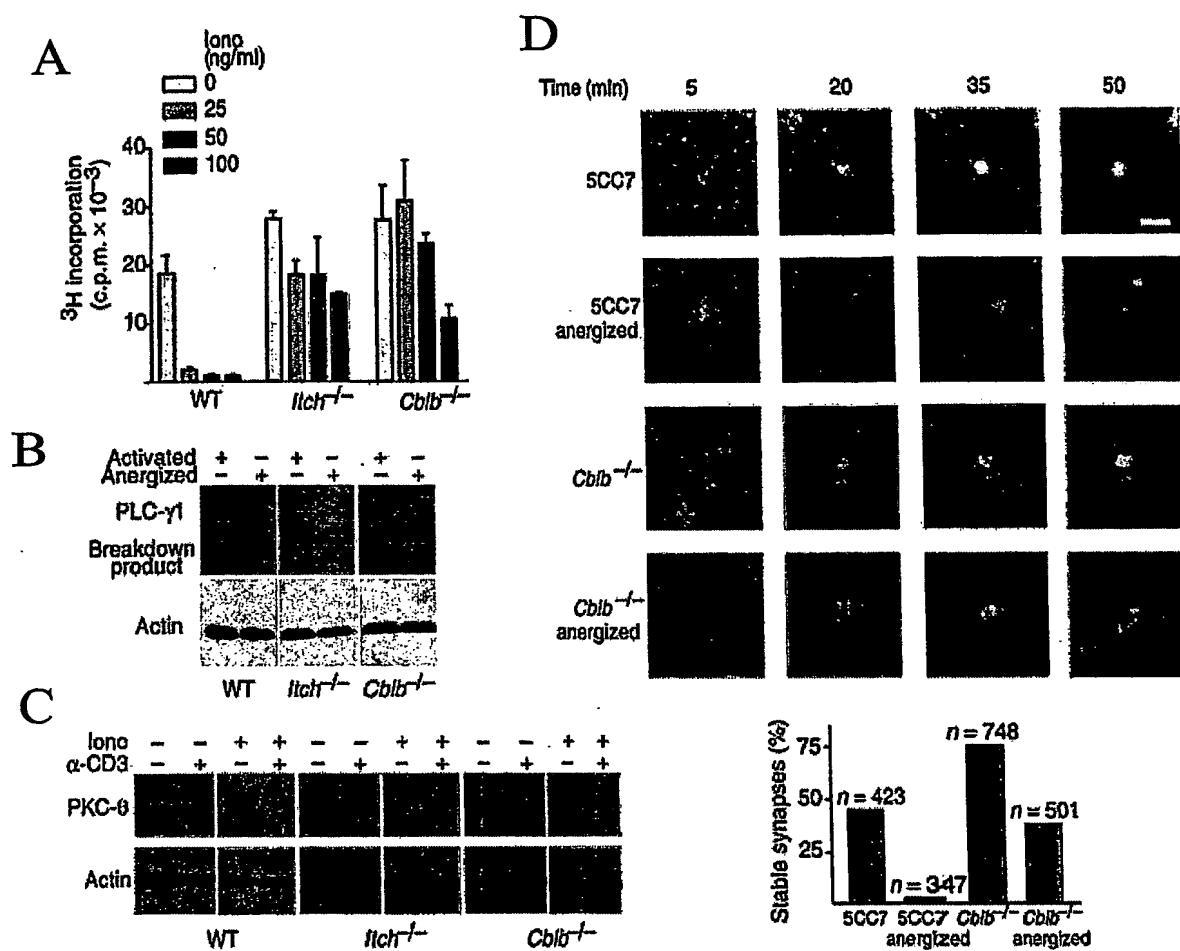


Fig. 25

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